

SEQUENCE LISTING 1

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5 101 GTCAGTGGAG AGGGTGAAGG TGATGCAACA TACGGAAAAC TTACCCCTTAA
151 ATTTATTTGC ACTACTGGAA AACTACCTGT TCCATGGCCA ACACTTGTCA
201 CTACTTTCTC TTATGGTGT CAATGCTTT CCCGTTATCC GGATCATATG
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SEQUENCE LISTING 2

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	3251	CTGTGCGGTA	TTTCACACCG	CATATATGGT	GCACTCTCAG	TACAATCTGC
	3301	TCTGATGCCG	CATAGTTAAG	CCAGTATACA	CTCCGCTATC	GCTACGTGAC
	3351	TGGGTCACTGG	CTGCGCCCCG	ACACCCGCCA	ACACCCGCTG	ACGGGCCCTG
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	3551	GTCTGCCTGT	TCATCCGCGT	CCAGCTCGTT	GAGTTCTCC	AGAACGCTTA
	3601	ATGTCCTGGCT	TCTGATAAAG	CGGGCCATGT	TAAGGGCGGT	TTTTCTGT
	3651	TTGGTCACTG	ATGCCTCCGT	GTAAGGGGGA	TTCTGTTCA	TGGGGGTAAT
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	3751	AACATGCCCG	GTTACTGGAA	CGTGTGAGG	GTAAACAACT	GGCGGTATGG
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	3851	TAATACAGAT	GTAGGTGTT	CACAGGGTAG	CCAGCAGCAT	CCTGCGATGC
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	4251	GCGCTCCAGC	GAAAGCGGTC	CTCGCGAAA	ATGACCCAGA	GCGCTGCCGG
	4301	CACCTGTCCT	ACGAGTTGCA	TGATAAAGAA	GACAGTCATA	AGTGCGGCGA
	4351	CGATAAGTCAT	GCCCCGCGCC	CACCGGAAGG	AGCTGACTGG	GTTGAAGGCT
	4401	CTCAAGGGCA	TCGGTCGAGA	TCCCCTGCC	TAATGAGTGA	GCTAACTTAC
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	4751	CCGCACCAAC	GCGCAGCCCG	GAACCGGTAA	TGGCGCGCAT	TGCGCCCAGC
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SEQUENCE LISTING 3

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 5351 AAGGAGATAT ACCATGAAA

50

SEQUENCE LISTING 4

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 35 1651 GGTGCACGAG TGGGTTACAT CGAACTGGAT CTCAACAGCG GTAAGATCCT
 1701 TGAGAGTTT CGCCCCGAAG AACGTTTCC AATGATGAGC ACTTTTAAAG
 1751 TTCTGCTATG TGGCGCGGT TTATCCCCTA TTGACGCCGG GCAAGAGCAA
 1801 CTCGGTCGCC GCATACACTA TTCTCAGAAT GACTTGGTTG AGTACTCACC
 1851 AGTCACAGAA AAGCATCTT CCGATGGCAT GACAGTAAGA GAATTATGCA
 40 1901 GTGCTGCCAT AACCATGAGT GATAACACTG CGGCCAACTT ACTTCTGACA
 1951 ACGATCGGAG GACCGAAGGA GCTAACCGCT TTTTGACACA ACATGGGGGA
 2001 TCATGTAACT CGCCTTGATC GTGGGGAACCG GAGCTGAAT GAAGCCATAC
 2051 CAAACGACGA GCGTGACACC ACGATGCCGT TAGCAATGGC AACAACGTTG
 2101 CGCAAACATAT TAACTGGCGA ACTACTTACT CTAGCTCCCC GGCAACAAATT
 45 2151 AATAGACTGG ATGGAGGCCG ATAAAGTTGC AGGACCACTT CTGCGCTCGG
 2201 CCCTTCCGGC TGGCTGGTT ATTGCTGATA AATCTGGAGC CGGTGAGCGT
 2251 GGGTCTCGCG GTATCATTGC AGCACTGGGG CCAGATGGTA AGCCCTCCCG
 2301 TATCGTAGTT ATCTACACGA CGGGGAGTCA GGCAACTATG GATGAACGAA
 2351 ATAGACAGAT CGCTGAGATA GGTGCCTCAC TGATTAAGCA TTGGTAACTG
 50 2401 TCAGACCAAG TTTACTCATA TATACTTTAG ATTGATTTAA AACCTCATT
 2451 TTAATTTAAA AGGATCTAGG TGAAGATCCT TTTTGATAAT CTCTGACCA
 2501 AAATCCCTTA ACGTGAGTT TCGTTCCACT GAGCGTCAGA CCCCGTAGAA
 2551 AAGATCAAAG GATCTTCTG AGATCCTTTT TTTCTGCG GAAATCTGCTG
 2601 CTTGCAAACAA AAAAACCCAC CGCTACCCAGC GGTGGTTTGT TTGCCGGATC
 55 2651 AAGAGCTACC AACTCTTTT CCGAAGGTAA CTGGCTTCAG CAGAGCGCAG
 2701 ATACCAAATA CTGTCCTCT AGTGTAGCCG TAGTTAGGCC ACCACTTCAA
 2751 GAACTCTGTA GCACCGCTA CATACCTCGC TCTGCTAATC CTGTTACCAAG
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2951 AGCGTGAGCT ATGAGAAAGC GCCACGCTTC CCGAAGGGAG AAAGGCAG
3001 AGGTATCCGG TAAGCGGCAG GGTGGAAACA GGAGAGCGCA CGAGGGAGCT
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5 3151 TGGAAAACG CCAGCAACGC GGCCTTTTA CGGTTCCCTGG CCTTTTGCTG
3201 GCCTTTGCT CACATGTTCT TTCCTGCGTT ATCCCCCTGAT TCTGTGGATA
3251 ACCGTATTAC CGCCTTGAG TGAGCTGATA CCGCTCGCCG CAGCCGAACG
3301 ACCGAGCGCA GCGAGTCAGT GAGCGAGGAA GCGGAAG

SEQUENCE LISTING 5

1	ATGAAACATC	ACCATCACCA	TCACCCCATG	AGCGATTACG	ACATCCCCAC	
51	TAATGAGAAT	CTTTATTTC	AGGGCGCCAT	GGGAGGCACG	GTACCGGTAG	
101	AAAAAAATGAG	TAAAGGAGAA	GAACTTTCA	CTGGAGTTGT	CCCAATTCTT	
5	151	GTTGAAATTAG	ATGGTGATGT	TAATGGGCAC	AAATTCTG	TCAGTGGAGA
201	GGGTGAAGGT	GATGCAACAT	ACGGAAAAC	TACCCCTAAA	TTTATTGCA	
251	CTACTGGAAA	ACTACCTGTT	CCATGGCCAA	CACTTGTAC	TACTTTCTCT	
301	TATGGTGTTC	AATGCTTT	CCGTTATCCG	GATCATATGA	AACGGCATGA	
351	CTTTTCAAG	AGTGCATGC	CCGAAGGTTA	TGTACAGGAA	CCGCACTATA	
10	401	CTTCAAAAGA	TGACGGGAAC	TACAAGACGC	GTGCTGAAGT	CAAGTTGAA
451	GGTGATACCC	TTGTTAATCG	TATCGAGTTA	AAAGGTATTG	ATTTTAAAGA	
501	AGATGGAAAC	ATTCTCGGAC	ACAAACTCGA	GTACAACAT	AACTCACACA	
551	ATGTATACAT	CACGGCAGAC	AAACAAAAGA	ATGGAATCAA	AGCTAACCTC	
601	AAAATTGCC	ACAACATTGA	AGATGGATCC	GTTCAACTAG	CAGACCATT	
15	651	TCAACAAAAT	ACTCCAATTG	GGCATGGCCC	TGTCCCTTTA	CCAGACAAACC
701	ATTACCTGTC	GACACAATCT	GCCCTTCGA	AAGATCCAA	CGAAAAGCGT	
751	GACCACATGG	TCCTTCTTGA	GTGTTGAACT	GCTGCTGGGA	TTACACATGG	
801	CATGGATGAG	CTCCGTCGAC	AAGCTTGC	CCGCACTCGA	GCACCACAC	
851	CACCACCACT	GAGATCCGGC	TGCTAACAAA	GCCCCGAAAGG	AAGCTGAGTT	
20	901	GGCTGCTGCC	ACCGCTGAGC	AATAACTAGC	ATAACCCCTT	GGGGCCTCTA
951	AACGGGTCTT	GAGGGTTTT	TTGCTGAAAG	GAGGAACATAT	ATCCGGATFTG	
1001	GCGAATGGGA	CGCGCCCTGT	AGCGGCGCAT	TAAGCGCGC	GGGTGTGGTG	
1051	GTTACGCGCA	GCGTGACCAC	TACACTTGCC	AGCGCCCTAG	CGCCCGCTCC	
1101	TTTCGTTTC	TTCCCTTCC	TTCTCGCCAC	GTTCGCCGGC	TTTCCCCGTC	
25	1151	AAGCTCTAA	TCGGGGCTC	CCTTGTAGG	TCCGATTAG	TGCTTTACGG
1201	CACCTCGACC	CCAAAAAAACT	TGATTAGGGT	GATGGTTCAC	GTAGTGGGCC	
1251	ATCGCCCTGA	TAGACGTTT	TTCGCCCTT	GACGTTGGAG	TCCACGTTCT	
1301	TTAATAGTGG	ACTCTTGTC	CAAACCTGAA	CAACACTCAA	CCCTATCTCG	
1351	GTCTATTCTT	TTGATTATA	AGGGATTTG	CCGATTTCGG	CCTATTGGTT	
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1551	TTAATTCTTA	AAAAAACTCA	TCGAGCATCA	AATGAAACTG	CAATTATTC	
1601	ATATCAGGAT	TATCAATACC	ATATTTTG	AAAAGCCGGT	TCTGTAATGA	
35	1651	AGGAGAAAAC	TCACCGAGGC	AGTTCCATAG	GATGGCAAGA	TCCTGGTATC
1701	GGTCTGCGAT	TCGACTCGT	CCAACATCAA	TACAACTAT	TAATTCCCC	
1751	TCGTCAAAAAA	TAAGGTATC	AAGTGGAGAA	TCACCATGAG	TGACGACTGA	
1801	ATCCGGTGAG	AATGGCAAAA	GTGTTATGCAT	TTCTTCCAG	ACTTGTCAA	
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40	1901	TTATTCAATT	GTGATTGCGC	CTGAGCGAGA	CGAAATACGC	GATCGCTGTT
1951	AAAAGGACAA	TTACAAACAG	GAATCGAATG	CAACCGGC	AGGAACACTG	
2001	CCAGCGCATC	AACAATATT	TCACCTGAAT	CAGGATATT	TTCTAATACC	
2051	TGGAATGCTG	TTTCCCGGG	GATCGCAGTG	GTGAGTAACC	ATGCATCATC	
2101	AGGAGTACGG	ATAAAATGCT	TGATGGTCGG	AAGAGGCATA	AATTCCGTCA	
45	2151	GCCAGTTAG	TCTGACCATC	TCATCTGTAA	CATCATTGGC	AACGCTACCT
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2251	ATAGATTGTC	GCACCTGATT	GCCCCACATT	ATCGCGAGCC	CATTTATACC	
2301	CATATAAAATC	AGCATCCATG	TTGGAATT	ATCGCGGCCT	AGAGCAAGAC	
2351	GTTCGGCGTT	GAATATGGCT	CATAACACCC	CTTGTATTAC	TGTTTATGTA	
50	2401	AGCAGACAGT	TTTATTGTT	ATGACCAAA	TCCCTTAACG	TGAGTTTTCG
2451	TTCCACTGAG	CGTCAGACCC	CGTAGAAAAG	ATCAAAGGAT	CTTCTTGAGA	
2501	TCCTTTTTT	CTGCGCGTAA	TCTGCTGCTT	GCAAAACAAA	AAACCACCGC	
2551	TACCAAGCGGT	GGTTTGTGTTG	CCGGATCAAG	AGCTACCAAC	TCTTTTCCG	
55	2601	AAGGTAAC	GCTTCAGCAG	AGCGCAGATA	CCAAATACTG	TCCTTCTAGT
2651	GTAGCCGTAG	TTAGGCCACC	ACTTCAAGAA	CTCTGTAGCA	CCGCCTACAT	
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2751	TCGTGTCTTA	CCGGGTTGGA	CTCAAGACGA	TAGTACCGG	ATAAGGCGCA	
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2851	CGACCTACAC	CGAACTGAGA	TACCTACAGC	GTGAGCTATG	AGAAAGCGCC	
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3001	TTTATAGTCC	TGTCGGGTTT	CGCCACCTCT	GACTTGAGCG	TCGATTTTG
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3151	CTGCGTTATC	CCCTGATTCT	GTGGATAACC	GTATTACCGC	CTTGAGTGA
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	3251	CGAGGAAGCG	GAAGAGGCC	TGATGCGGT	TTTTCTCCCT
	3301	GCGGTATTC	ACACCGATA	TATGGTGCAC	TCTCAGTACA
	3351	ATGCCGCATA	GTAAAGCCAG	TATACACTCC	GCTATCGCTA
	3401	TCATGGCTGC	GCCCCGACAC	CCGCCAACAC	CCGCTGACGC
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	3501	GAGCTGCATG	TGTCAGAGGT	TTTCACCGTC	ATCACCGAAA
	3551	AGCTGCGGT	AAGCTCATCA	GCGTGGTCGT	GAAGCGATT
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	3651	CTGGCTCTG	ATAAAGCGGG	CCATGTTAAG	TTCTCCAGAA
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	3851	GGCAGGGACCA	GAGAAAATC	ACTCAGGGTC	ACAACGGCG
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	4151	GCACGATCAT	GCGCACCCGT	GGGGCCGCCA	CGCAGACGTT
25	4201	TTCTCGCCGA	AACGTTTGGT	GGCGGGACCA	ATGGCCTGC
	4251	GGCGTGCAAG	ATTCCGAATA	CCGCAAGCGA	CGGGCCGATC
	4301	TCCAGCGAAA	GCGGTCCTCG	CCGAAAATGA	ATCGTCGCGC
	4351	TGTCCCTACGA	GTTGCATGAT	AAAGAAGACA	CCGGGGCACC
	4401	AGTCATGCC	CGCGCCCACC	GGAAAGGAGCT	GTGAGGGT
30	4451	AGGGCATCGG	TCGAGATCCC	GGTGCCTAAT	AAGGCTCTCA
	4501	ATTGCGTTGC	GCTCACTGCC	CGCTTTCCAG	TTGCGTATTG
	4551	GCTGCATTAA	TGAATCGGCC	AAACGCGGG	ACAGCTGATT
	4601	GGCGCCAGGG	TGGTTTTCT	TTTCACCAGT	CGCACGCGG
	4651	GCCCTTCACC	GCCTGGCCCT	GAGAGAGTTG	TCCACGCTGG
35	4701	TTTGCCCCAG	CAGGCGAAA	TCCGTGTTGA	CGGCGGGATA
	4751	TAACATGAGC	TGTCTCGGT	ATCGTCGTAT	CCCACCTACCG
	4801	ACCAACGCGC	AGCCCAGACT	CGGTAATGGC	AGATATCCGC
	4851	TCTGATCGTT	GGCAACCAGC	ATCGCAGTGG	CCCAAGCGCCA
	4901	ATTTCATGG	TTTGTGAAA	ACCGGACATG	CTCATTCAAG
40	4951	TTCCGCTATC	GGCTGAATT	GATTGCGAGT	CGCCTTCCCG
	5001	CCAGACGCG	ACCGGCCAG	GAGATATT	TGCCAGCCAG
	5051	ATTTCATGGT	GACCCAATGC	ATGGGCCCGC	TAACAGCGCG
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	5151	CAAGAAATAA	CGCCGGAACA	TTAGTGCAGG	TCAGAGACAT
45	5201	TCCTGGTCAT	CCAGCGGATA	GTTAATGATC	AGCAATGGCA
	5251	GAGAAGATTG	TGCACGCCG	ATCGCCGCTT	CGCGTTGCGC
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	5351	GCCCGCAGAA	TTTGCACGG	GCACCGCAGG	AGATTTAAC
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50	5451	GAATGTAATT	CAGCTCCGCC	ATCGCCGCTT	CCACTTTTC
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	5551	GACACCGGCA	TACTCTGCA	CATCGTATAA	TCTGATAAGA
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	5651	TTTTTGCGCC	ATTCGATGGT	ATCATGCCAT	TTCACATTCA
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	5751	GCCGCCGCAA	GGAAATGGTC	ATGCAAGGAG	GGTGAGGCC
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	5901	CCAGCAACCG	CACCTGTGGC	GCCGGTGATG	TGCGTCCGGC
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	6051	TTTAAGAAGG	AGATATAACC		